

## Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

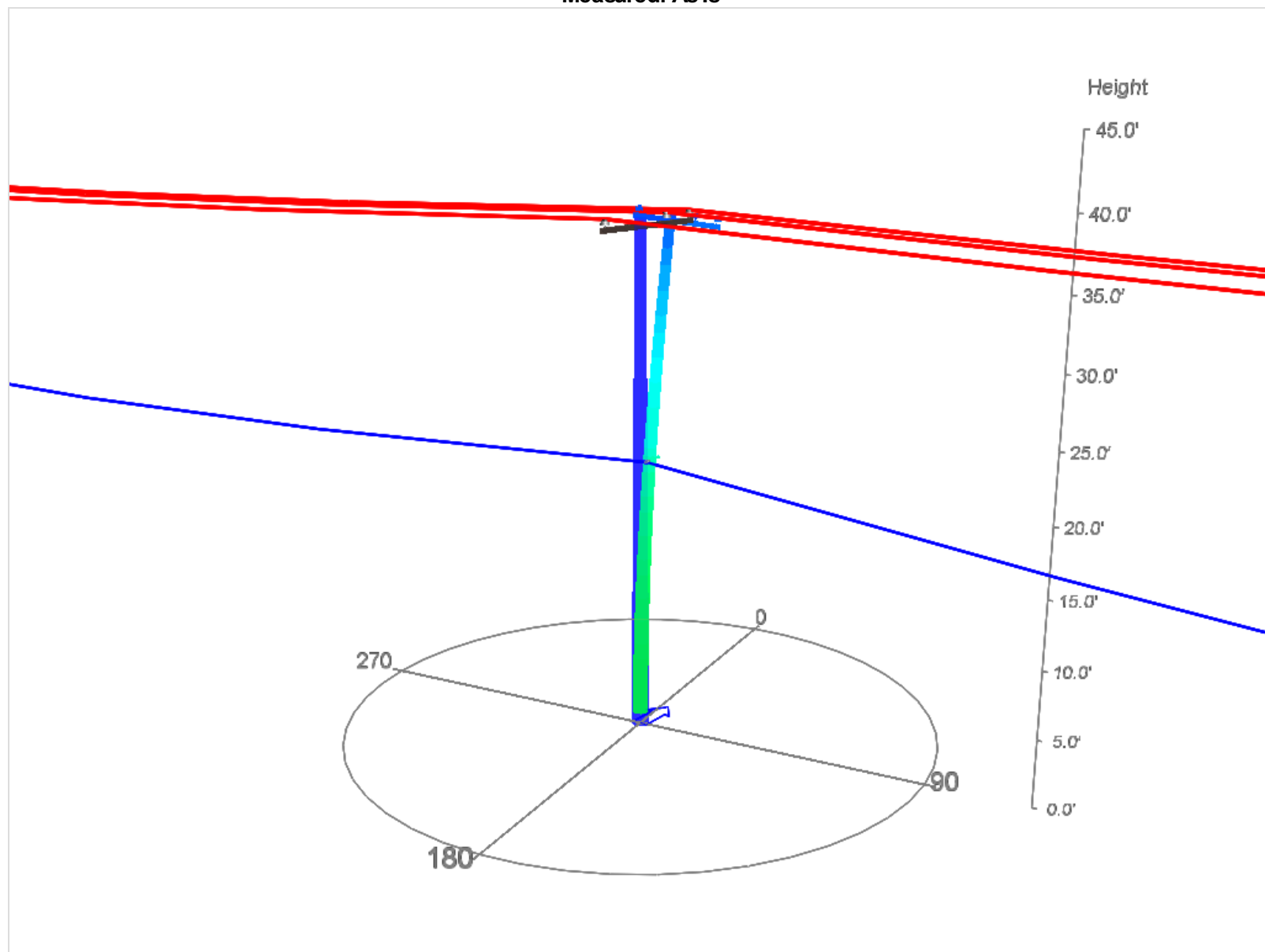
Cross Street 2:

Summary Notes:

## Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Is	45'/H2	4.52 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N
As Designed	45'/H2	4.36 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

## Measured: As Is



## Analysis Results

## Loading

Component	In Service, 18 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.52 from stress at 3' 3"	1772 / 8000 lb/in <sup>2</sup>	10 °	8000 lb/in <sup>2</sup>

## Wire End Points and Wires

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	252'	101 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade A	
										Tension	Sag
Wire#1	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1284 lbf*	Dynamic	2606.37 lbf**	3' 4****
Wire#3	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1284 lbf*	Dynamic	2632.69 lbf**	3' 3****
Wire#5	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1284 lbf*	Dynamic	2624.69 lbf**	3' 4****
Wire#7	1.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	20' 10"	0' 0"	1	1843 lbf*	Dynamic	3117.15 lbf**	6' 5****

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	295'	281 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, 18 lb, Grade A	
										Tension	Sag
Wire#2	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1314 lbf*	Dynamic	2634.44 lbf**	4' 6****
Wire#4	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1314 lbf*	Dynamic	2615.54 lbf**	4' 6****
Wire#6	336.4 ACSR Merlin	SCE	Primary	Light Full	38' 9"	0' 0"	1	1314 lbf*	Dynamic	2620.79 lbf**	4' 6****
Wire#8	1.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	20' 10"	0' 0"	1	1846 lbf*	Dynamic	3222.66 lbf**	8' 6****

\*Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

\*\* Tension value is inclusive of environmental and load factors associated with the Load Case.

\*\*\* Sag value is inclusive of environmental and load factors associated with the Load Case.

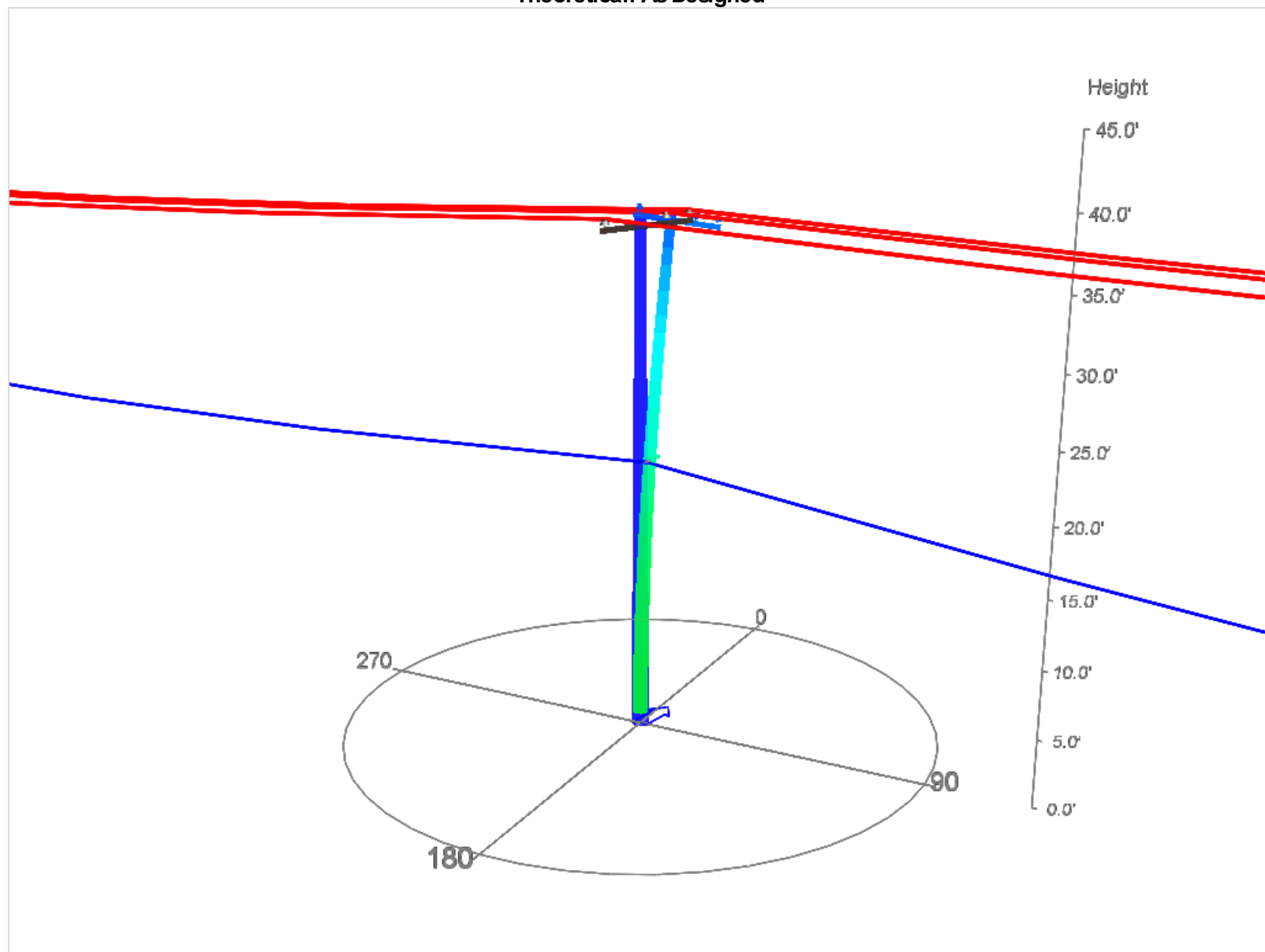
## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	38' 0"	Other	192 °	5' 0"	Insulator#2, Insulator#4, Insulator#3

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	3 Bolt Suspension Clamp	101 °	20' 10"	Wire#7, Wire#8
Insulator#2	12 kV Pin (Cross Arm)	101 °	0' 4"	Wire#1, Wire#2
Insulator#4	12 kV Pin (Cross Arm)	101 °	9' 8"	Wire#3, Wire#4
Insulator#3	12 kV Pin (Cross Arm)	101 °	7' 0"	Wire#5, Wire#6

## Theoretical: As Designed



## Analysis Results

## Loading

Component	In Service, 18 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	4.36 from stress at 3' 3"	1833 / 8000 lb/in <sup>2</sup>	10 °	8000 lb/in <sup>2</sup>